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Conjugacy Structure Type and Degree Structure Type in Finite  $p$ -groups



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 [Keywords](#)  
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**Abstract:** Let  $G$  be a finite  $p$ -group, and denote by  $k(G)$  number of conjugacy classes in  $G$ . The aim of this paper is to introduce the conjugacy structure type and degree structure type for  $p$ -groups, and determine these parameters for  $p$ -groups of order  $p^5$ , and calculate  $k(G)$  for them.

**Key Words:** breadth, conjugacy structure type, degree structure type.



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